RECYCLING OF PLASTIC WASTES INTO TILES FOR STRUCTURE DESIGNING FOR SOCIETAL USAGE

BRIEF DESCRIPTION:

The plastic products have become an integral part of all our lives, and play an irreplaceable role in our day to day activities. Disposal of Plastic Waste is a major problem worldwide. It is non-biodegradable and it mainly consists of low density polyethylene plastic bags, bottles etc. Burning of these waste plastic bags causes environmental pollution. The main objective of the present project is to utilize waste plastic bags for designing of materials for utilization of tiles in building of toilets and rooms for general public for societal benefits.

Utilization of waste plastic bags and bottles in the form of tiles which can be used for designing the structure for making a smart toilet or any other structure for societal usage. Various issues like mechanical strength, flame retardency, water permeability and UV protection from sunlight and antistatic response is the novelty of concept.

ADVANTAGE:

The advantage of the innovation is the utilization of waste plastic bags and bottles in the form of tiles which can be used for designing the structure for making a smart toilet or any other structure for societal usage. One of such waterless toilet structures made at is shown in figure.

Scale of development: Technology Demonstration completed

